

■ Product Features

Power tolerance +/- 3%
Power output range 170-190 Wp
Premium quality

■ Certificates

Product Quality EN IEC 61215:2004
Product Safety EN IEC 61730-2:2007
Quality Management EN ISO 9001:2008
Environmental Management EN ISO 14001:2009

■ Warranty

5 yrs Manufacturing defects
12 yrs Limited, 90% output power
25 yrs Limited, 80% output power

SOLVIS SV 48 BE modules are high efficiency modules produced from top quality, proven and certified raw materials. Our standard 48 cell module can provide high output power, extraordinary durability in harsh conditions, as well as long-term electrical stability. Each module is inspected in detail and labeled before delivery. All SOLVIS modules are suitable for both grid connected and standalone applications.

SOLVIS is a PV module producer based in Croatia. Throughout the partnership with our distributors, we export most of our products for the European clients. Production of high quality photovoltaic modules is based on strict quality control criteria applied in each stage of the manufacturing process. This results in a 25-year limited warranty on the quality of modules.

We are dedicated to production of environmentally friendly and affordable source of energy taking greater responsibility for the well being of the society. Production of pertinent modules is a technological challenge demanding engineering and manufacturing expertise. The final product is largely the result of our own production development and research. Constant investments in research and development are the way how SOLVIS is upgrading its technology and products, and ensuring the competitiveness of the company on the European market.



Measured at Standard Test Conditions (STC): Irradiance 1000 W/m²; Air mass 1.5 and cell temperature 25 °C

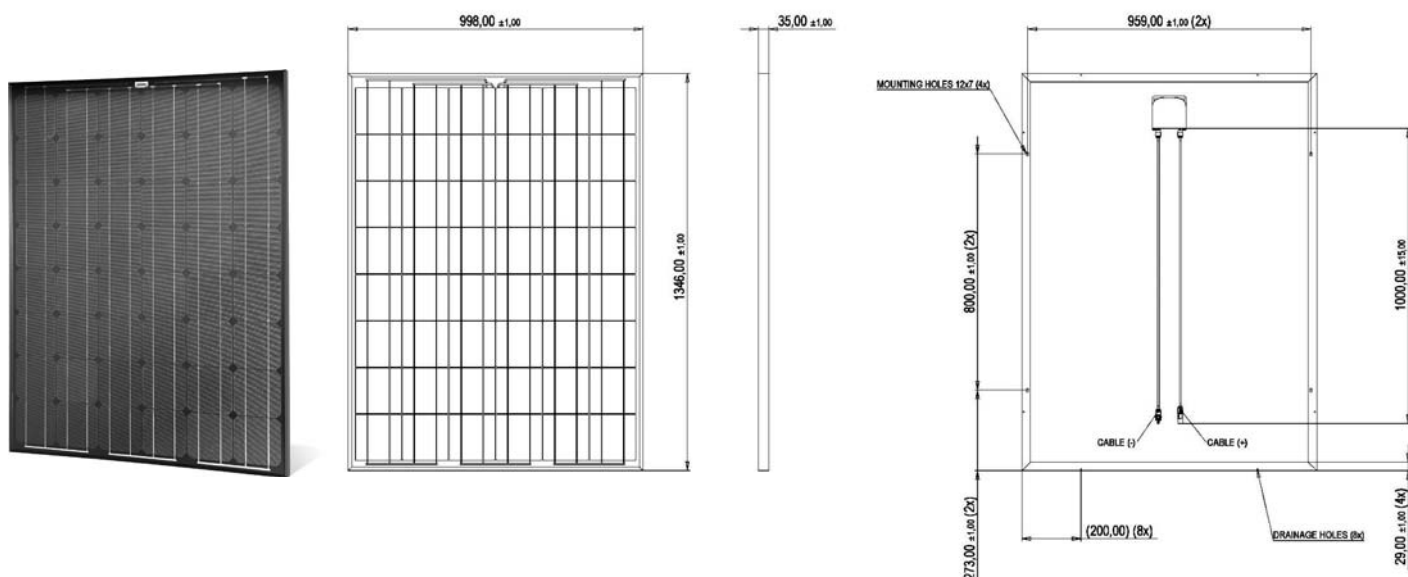
MODEL		SV 48-175 BE	SV 48-180 BE	SV 48-185 BE	SV 48-190 BE
Peak Power	P _{MPP}	175 W	180 W	185 W	190 W
Peak power tolerance			+/- 3%		
Short Circuit Current	I _{SC}	8,09	8,21	8,32	8,43
Open Circuit Voltage	V _{OC}	28,5	28,8	29,2	29,5
Rated Current	I _{MPP}	7,54	7,65	7,75	7,86
Rated Voltage	V _{MPP}	23,2	23,5	23,9	24,2
Maximum System Voltage			1000 V		
Temperature Coefficients					
Power	P _{MPP}	- 0,47 %/°C			
Current	I _{SC}	0,04 mA/°C			
Voltage	V _{OC}	-0,33 mV/°C			

MECHANICAL DATA

Dimensions (H x W x D)	1346 x 998 x 35 mm
Weight	18 kg
Solar cells	48 cells, monocrystalline Si, 156 x 156 mm
Front	Tempered solar glass
Frame	Anodized aluminum frame with twin-wall profile and drainage holes
Junction box (manufacturer/protection degree)	With 3 bypass diodes, Tyco/IP65, FPE/IP67
Cable	Solar cable, length 1000 mm, 4 mm ² , with Tyco SOLARLOCK connectors/MC-4 compatible

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
Maximum system voltage	1000 V
Maximum surface load capacity	Tested up to 5400 Pa according to IEC 61215 (snow load)
Resistance against hail	Maximum diameter of 25 mm with impact speed of 23 m/s



*All dimensions are in mm



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